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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/051,293	10/051,293 01/22/2002		Yutaka Nakata	045237-0102	4769
22428	7590	03/31/2003			
FOLEY AN	ID LAR	DNER	EXAMINER		
SUITE 500 3000 K STR			TSIDULKO, MARK		
WASHINGTON, DC 20007				ART UNIT	PAPER NUMBER
			2875		
			DATE MAILED: 03/31/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application	No.	Applicant(s)	U =					
	10/051,293		NAKATA, YUTAKA	\					
Office Action Summary	Examiner		Art Unit						
•	Mark Tsidul		2875	draca					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply									
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).									
Status									
1) Responsive to communication(s) filed on 22.									
	nis action is n		rosecution as to th	e merits is					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims									
4) Claim(s) 1-8 is/are pending in the application.									
4a) Of the above claim(s) is/are withdra	wn from cons	sideration.							
5) Claim(s) is/are allowed.									
6)⊠ Claim(s) <u>1-8</u> is/are rejected.									
7) Claim(s) is/are objected to.									
8) Claim(s) are subject to restriction and/o	or election red	quirement.							
Application Papers			,						
9) The specification is objected to by the Examiner.									
10) ☐ The drawing(s) filed on 22 January 2002 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.									
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). 11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.									
If approved, corrected drawings are required in reply to this Office action.									
12) The oath or declaration is objected to by the Examiner.									
Priority under 35 U.S.C. §§ 119 and 120									
13) Acknowledgment is made of a claim for foreig	n priority und	ler 35 U.S.C. § 119(a)-(d) or (f).						
a)⊠ All b)⊡ Some * c)⊡ None of:									
1.⊠ Certified copies of the priority documen	ts have been	received.							
2. Certified copies of the priority documen	ts have been	received in Applica	tion No						
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.									
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).									
a) The translation of the foreign language provisional application has been received. 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.									
Attachment(s)	,		•						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	3, <u>5</u> .		ry (PTO-413) Paper No I Patent Application (PT						
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U.S. Patent and Trademark Office PTO-326 (Rev. 04-01)

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DETAILED ACTION

Specification

The disclosure is objected to because of the following informalities: "horizontal ling" (page 19, line 17) should be changed to "horizontal line". Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claims 1, 3-8 are rejected under 35 U.S.C. 102(e) as being anticipated by Nakata (US 6,527,425).

Referring to Claim 1 Nakata discloses (Fig.1B) a lamp device having:

a light source [1];

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- a reflector in which a reflection surface is a free curved surface (col.8, lines 10-13).

 Reflected light by the reflector transmitting through the lens so as to be irradiated in accordance with a target light distribution pattern (Abstract);
- a lens formed in a convex shape in a vertical and horizontal cross section (because has circular form, see Fig.12, [100]).

Referring to Claims 3, 4 Nakata discloses a lamp device for vehicle wherein a free curved surface formed on the reflection surface of the reflector is a non-uniform rational B-spline surface (NURBS) (col.6, lines 27-31).

Referring to Claims **5-8** Nakata discloses a torus curved surface is used for a surface of the lens and a back surface thereof (col.6, lines 21-25).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Nakata (US 6,527,425) In view of Albou (US 6,123,440).

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Nakata discloses the instant claimed invention except for reflector's vertical and horizontal cross sections are formed in hyperboloidal surface smaller than the lens.

Albou discloses (Fig.1) hyperbolic type reflector [102] smaller than the lens [103]. The reflector has internal and external focuses, the light source being placed in a region of the internal focus so that the latter forms a virtual light source in the region of the focus of the lens (Abstract).

It would have been obvious to one having ordinary skill in the art, at the time the invention was made, to provide the device of Nakata with hyperbolic type reflector as taught by Albou in order to obtain a virtual light source in the region of the focus of the lens.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark Tsidulko whose telephone number is (703)308-1326. The examiner can normally be reached on 8 - 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra O'Shea can be reached on (703) 305-4939. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9318 for regular communications and (703)872-9319 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Sandra O'Shea
 Supervisory Patent Examiner

Technology Center 2800

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M.T. March 20, 2003